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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 29773	FOR FURTHER ACTION	See item 4 below
International application No. PCT/DE2005/000430	International filing date (day/month/year) 10 March 2005 (10.03.2005)	Priority date (day/month/year) 15 March 2004 (15.03.2004)
International Patent Classification (8tl See relevant information in Form F	h edition unless older edition indicated) PCT/ISA/237	
Applicant INFINEON TECHNOLOGIES AG		

. 1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).					
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	3. This report contains indications relating to the following items:					
	Box No. I	Basis of the report				
	Box No. II	Priority				
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the inter	rnational application			
	Box No. VIII	Certain observations on th	e international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44his.3(c) and 93his.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44his.2).					
			Date of issuance of this report 29 November 2006 (29.11.2006)			
	The International Bur		Authorized officer			
	34, chemin des Co 1211 Geneva 20, S		Ellen Moyse			

e-mail: pt05@wipo.int

Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	ITY		NSI	
То:			PCT PCT	
			RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY	
	•	(PCT Rule 43 <i>bis</i> .1)		
·	<u> </u>	Date of mailing (day/month/year)	See form PCT/ISA/210	
Applicant's or agent's file reference 29773		FOR FURTHER ACTION See paragraph 2 below		
International application No. PCT/DE2005/000430	International filing date (day/month/year)	Priority date (day/month/year) 15.03.2004	
International Patent Classification (IPC) or both G0 6F9/38, G0 6F5/06, G	_	d IPC		
Applicant INFINEON TECHNOLOGIES	3 AG			
1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion				
Name and mailing address of the ISA/EP		Authorized officer		
Facsimile No.		Telephone No.	· · · · · · · · · · · · · · · · · · ·	

Bux	No. I	Basis of this opinion
1.		regard to the lunguage, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	ъ.	format of material
	,υ.	in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Λdd	itional comments:
1		
		•
l		

Box	No. V			ulc 43bis.1(a)(i) with regard to novelty, inven pporting such statement	tive step or industrial applicability	:	
1.	Statemen		<u> </u>	2			
	Novel	ty (N)	Claims			YES	
			Claims	1		NO	
	Invent	tive step (IS)	Claims			YES	
		• • •	Claims	2, 3, 4, 5, 6, 7, 8	2, 3, 4, 5, 6, 7, 8, 9		
	Y The second control of the STAN			1-9			
	mas	·	Claims			YES	
2.	Citations	and explanations:		·			
	1.	Reference	is ma	de to the following d	ocument:		
		D1: US 6 0	55 59	7 A (HOUG ET AL) 25 A	pril 2000 (2000-		
		04-25)					
					•		
	2.	It is assu	med t	hat the formulations	"whether the		
		is" an	d "if	is" in claim	1 refer to the		
		same decis	ion.	However, this idea mu	st be phrased in	•	
		an unambig	uous	way in claim 1 (PCT A	rticle 6 and PCT		
		Rule 6).					
	•				·		
	3.	INDEPENDEN	IT CLA	IM 1			
		•					
	3.1.	The preser	ıt app	lication does not sat	isfy the		
		requiremen	ts of	PCT Article 33(1) be	cause the		
		subject ma	tter	of claim 1 is not nov	el within the		
		meaning of	PCT	Article 33(2).	,	•	
		J		· .	•		
		Document D)l dis	closes (the reference	s in parentheses		
		are to D1)			-		
			•	•			
		- computer	svst	em for electronic dat	a processing,		
		having:	. Jyou		- P		
		٧ ± 9 .					

International application No.
PCT/DE2005/000430

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- first and second data processing units, and a data transmission memory device that is coupled with said first data processing unit on the input side and with said data processing unit on the output side (abstract),
- a data transmission memory device having a first memory area and a second memory area, said first memory area and said second memory area being configured (abstract) to save one data set each, and the data transmission memory device being configured such that a data set that is to be transmitted from the first data processing unit to the second data processing unit is transmitted according to the following steps:

(abstract)

- relaying information as to whether the second data processing unit is ready to transmit data to the data transmission memory device (figure 2);
- deciding whether copying is enabled based on whether the second data processing unit is ready to transmit data (figure 2);
- relaying to the first memory area and to the memories in the first memory area the data contained in the data set to be transmitted (figure 2);

International application No.
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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- copying the data set saved in the first memory area into the second memory area when copying is enabled (figure 2);
- relaying the data set saved in the second memory area to the data processing unit (abstract).
- 4. DEPENDENT CLAIMS 2-9
 Claims 2-9 do not contain any features which, in
 combination with the features of any claim to which
 they refer back, meet the PCT requirements for
 novelty and inventive step.
- 4.1. In claim 2, it is obvious for a person skilled in the art to allow copying from the first to the second memory area only when no data transfer is taking place with the data processing units in order to prevent conflicts. Therefore, the claim is not inventive.
- 4.2. The features of claims 4, 5 and 9 represent only one of several obvious possibilities from which a person skilled in the art would choose according to the circumstances in order to solve the problem of interest, without thereby exercising inventive skill.
- 4.3. The features of claims 6, 7 and 8 correspond to those of a shadow register and have been known in this technical field for a long time. For this reason, the claims are not inventive.

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PATENT COOPERATION TREATY

From the	TIONAL SEARCHING AUTH	IORITY		ANC.	
To:	HONAL SEARCHERO ACT.	IOKII I		PCT PCT	
				RITTEN OPINION OF THE TONAL SEARCHING AUTHORITY	
	, ,	. •		(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	See form PCT/ISA/210	
Applicant's	s or agent's file reference		FOR FURTHER ACTION See paragraph 2 below		
1 .	nal application No. DE2005/000430	International filing date (1		
	nal Patent Classification (IPC) or 9/38, G06F5/06,		nd IPC		
Applicant INFI	NEON TECHNOLOGI	ES AG	· · · · · · · · · · · · · · · · · · ·		
1. T	This opinion contains indications		.s:		
L	_	f the opinion			
L	Box No. II Priority				
~ L	\neg	· •	gard to novelty, invent	live step and industrial applicability	
L		funity of invention ed statement under Rule 43bis	: 1(a)(i) with regard to	novelty, inventive step or industrial	
6	Box No. V Reason applical	bility; citations and explanation			
<u> </u>	Box No. VI Certain	documents cited			
<u> </u>	Box No. VII Certain	defects in the international ap	pplication		
ι	Box No. VIII Certain	observations on the internatio	onal application		
2. 1	FURTHER ACTION				
]	If a demand for international p International Preliminary Examin	ning Authority ("IPEA") excert the chosen IPEA has notified	pt that this does not ap d the International Bur	ill be considered to be a written opinion of the ply where the applicant chooses an Authority other reau under Rule 66.1bis(b) that written opinions of	
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
1	For further options, see Form PC	T/ISA/220.			
3. 1	For further details, see notes to Fo	orm PCT/ISA/220.			
Name and	mailing address of the ISA/EP		Authorized officer		
F	NI.		Tologhan No	•	

Form PCT/ISA/237 (cover sheet) (January 2004)

Box	No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
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2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
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	1 table(s) related to the sequence listing
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	in computer readable form
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	contained in the international application as filed.
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4.	Additional comments:

Box	No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applications and explanations supporting such statement	ability;
1.	Statement		
	Novel	Claims 1	YES NO
	Invent	Claims	YES NO
	Indust	ctrial applicability (IA) Claims 1-9 Claims	YES NO
2.	Citations	s and explanations:	
	1.	Reference is made to the following document:	
		D1: US 6 055 597 A (HOUG ET AL) 25 April 2000 (200	00-
		04-25)	•
	2.	It is assumed that the formulations "whether the .	
		is" and "if is" in claim 1 refer to th	ıe
		same decision. However, this idea must be phrased	in
		an unambiguous way in claim 1 (PCT Article 6 and F	CT,
		Rule 6).	
	3.	INDEPENDENT CLAIM 1	
	3.1.	The present application does not satisfy the	
		requirements of PCT Article 33(1) because the	
		subject matter of claim 1 is not novel within the	
		meaning of PCT Article 33(2).	
		Document D1 discloses (the references in parenthes are to D1):	ses
		 computer system for electronic data processing, having: 	

International application No.
PCT/DE2005/000430

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

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novelty and inventive step.

International application No.
PCT/DE2005/000430

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